

[REDACTED], I.N.; KOROTAYEVA, G.N.

Extensive echinococcal lesions of the lungs in a five-year old  
child. Vop. pat. i reg. org. krov. i dykh. no.1:321-323 '61.

(MIRA 18:7)

L 1179-66 EWT(d)/EPF(n)-2/EWP(r)/EWP(k)/EWP(h)/EED-2/EWP(l) IJP(c) WW/BC

ACCESSION NR: AP5021861

UR/0280/65/000/004/0183/0187

AUTHOR: Sidorov, I. M. (Moscow); Korotayeva, I. P. (Moscow)

TITLE: The stability of mechanical systems with multiple degrees of freedom in  
the presence of correcting devices

SOURCE: AN SSSR. Izvestiya. Tekhnicheskaya kibernetika, no. 4, 1965, 183-187

TOPIC TAGS: control system stability, automatic control design, automatic  
frequency control

ABSTRACT: In an earlier paper B. I. Rabinovich (Izv. AN SSSR, Tekhnicheskaya kibernetika, 1964, no. 4) studied the frequency method investigations of the structural stability of certain mechanical systems in presence of correcting devices actuated by a control force. For a certain mechanical system belonging to that class, the present paper establishes the ranges of values of the system's parameters corresponding respectively to structural stability or instability. The closed system is described by the system of equations

$$\ddot{q}_i + \gamma_i^2 q_i = \sum_{j=1}^m a_{ij} q_j + \sum_{n=1}^N b_{in} r_n + c_i q_i, \quad i = 1, 2, \dots, m,$$

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L 1479-66

ACCESSION NR: AP5021861

$$\ddot{r}_n + \sigma_n^2 r_n = \sum_{i=1}^m d_{ni} \ddot{q}_i, \quad q_0 = L(p)q_1, \quad n = 1, 2, \dots, k. \quad (0.1)$$

where  $q_1$  and  $r_n$  are the coordinates of the system proper, and  $q_0$  coordinate characterizes the correcting system. The properties of the latter are specified by the amplitude-phase characteristics

$$L(i\omega) = A(\omega)e^{i\varphi(\omega)}, \quad (0.2)$$

where  $A(\omega)$ ,  $\varphi(\omega)$  - single-valued analytic functions over the entire interval of eigenfrequencies of the system (0.1);  $A(\omega)$  is bounded by a certain number  $A_0$ ;  $\varphi(\omega)$  changes its sign not more than once over the interval of the eigenfrequencies of the system and  $\cos \varphi(\omega) > 0$ . The constants  $\zeta_1^2, \zeta_n^2, a_{ij}, b_{in}$ , and  $d_{ni}$  are such that the characteristic equation has purely imaginary roots. The structural stability is established in the dimensionless space of the controlled object parameters. Orig. art. has: 23 formulas and 4 figures.

ASSOCIATION: None

SUBMITTED: 14Jun63

ENCL: 00

SUB CODE: IE

NO REF SOV: 001

OTHER: 000

Card 2/2

SIDOROV, I.M. (Moskva); KOROTAYEVA, I.P. (Moskva)

Stability of mechanical systems with many degrees of freedom  
containing correcting devices. Izv. AN SSSR Tekh. kib. no.4;  
183-187 J1-Ag '65. (MIRA 18:11)

POLIKARPOCHKIN, V.V.; KOROTAYEVA, I.Ya.; GRECHKINA, Ye.A.; GAFONTSEV, G.P.

Relationship between the liquid and solid phases of stray flux.  
Geokhimiia no.2:198-210 F '65. (MIRA 18:6)

1. Institut geokhimii Sibirskogo otdeleniya AN SSSR, Irkutsk.

AUTHORS: Zubova, Ye. V., Korotayeva, L. A. SOV/76-32-7-18/45

TITLE: The Phenomena Observed in Chemical Solid Phase Transformations at a Pressure of 50 000 kg/cm<sup>2</sup> and at Simultaneous Shear Stress (Yavleniya khimicheskikh prevrashcheniy v tverdoy faze pod davleniyem 50,000 kg/cm<sup>2</sup> pri odnovremennom deystvii sдвига)

PERIODICAL: Zhurnal fizicheskoy khimii, 1958, Vol. 32, Nr 7, pp. 1576-1579 (USSR)

ABSTRACT: In the present paper the possible transformations in solid phase under the conditions in question are investigated employing the method suggested by Bridgman (Ref 4). In the introduction the assumption made by A. F. Kaputsinskiy (Ref 1) as well as the experiments carried out by L. G. Berg, O. K. Yanat'yeva and Ye. M. Savitskiy (Ref 2) and Hoffman (Ref 3) are mentioned. The experiments are carried out by means of an apparatus described in another paper, using disk-shaped samples which are, under pressure, exposed to a shearing action. The curve representing the function of the shearing force vs. the pressure in the case of a change of the internal structure of the sample displays a break. This way the authors

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SOV/76-32-7-18/45

The Phenomena Observed in Chemical Solid Phase Transformations at a Pressure  
of 50,000 kg/cm<sup>2</sup> and at Simultaneous Shear Stress

decomposed the sulfides of Cu, Ni, Co and Fe, and synthesized phosphides of Mg and Zn, and decomposed lead oxides and MnO<sub>3</sub>. The explosion observed in certain sulfide syntheses was caused by the formation of oxides due to the oxygen absorbed by the sulfur, as was illustrated by the results of the experiments. The authors carried out a quantitative analysis in the formation of magnesium phosphide, and they found that the transformation percentage is 42. The experiments on the oxide decomposition showed that a transition took place from MoO<sub>3</sub> into MoO<sub>2</sub>, while in the case of Pb<sub>2</sub>O the formation of metallic Pb was found. Finally the authors thank L. F. Vereshchagin, Professor, and the mechanic S. T. Vlasov. There are 8 figures and 4 references, 2 of which are Soviet.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet im. M. V. Lomonosova;  
Akademiya nauk SSSR, Laboratoriya fiziki i khimii vysokikh  
davleniy, Moskva (Moscow State University imeni M. V. Lomonosova;  
Laboratory of Physics and the Chemistry of High Pressures, AS  
USSR)

Card 2/3

SOV/76-32-7-16/45

The Phenomena Observed in Chemical Solid Phase Transformations at a Pressure  
of 50 000 kg/cm<sup>2</sup> and at Simultaneous Shear Stress

SUBMITTED: March 8, 1957

- 1. Intermetallic compounds--Transformations
- 2. Metal sulfides
- Decomposition
- 3. Intermetallic compounds--Phase studies
- 4. Pressure--Metallurgical effects
- 5. Metal phosphides--Synthesis

Card 3/3

KOROTAYEVA, L.G., uchitel' nitsa

Using the production experience of the students in chemistry  
classes in schools for working youth. Khim.v shkole 14 no.4:  
63-70 Jl-kg '59. (MIR 12:11)

1. Shkola rabochey molodoshi No.34 g. Nizhny.  
(Chemistry—Study and teaching)

KOROTAYEVA, L.G., uchitel'nitsa

Activating the lessons on the subject of "Halogens" in the schools  
for working youth. Khim. v shkole 16 no. 55-63 Jl-Ag '61.  
(MIRA 14r:8)

1. Shkola rabochey molodezhi No.34, g. Moskva.  
(Chemistry--Study and teaching) (Halogens)

KOROTAYEVA, L.G., uchitel' nitsa

Methods of conducting excursions to chemical industry in the schools for working youth. Khim. v shkole 16 no.6:63-66 N-D '61.  
(MIRA 14:11)

1. Shkola rabochey molodezhi №.34, Moskva.  
(School excursions)  
(Chemistry--Study and teaching)

KOROTAYEVA, M.M.

Chemical composition of some fruit and berry varieties grown at  
the Botanical Garden of the West Siberian Branch of the Academy of  
Sciences of the U.S.S.R. Trudy Bot. sada Zap.-Sib. fil. AN SSSR  
no.2:111-117 '57. (MIRA 11:10)  
(Novosibirsk--Fruit--Chemical composition)

KOROTAYEVA, M.M.; TYURINA, Ye.V.

Effect of the stage of vegetation and the time and methods of  
seeding on the quality of the aromatic oil in corianders and  
Moldavian dragonhead. Trudy TSSBS no.4:47-53 '60. (MIRA 15:4)  
(Coriander) (Dragonhead) (Oilseeds)

KOROTAYEVA, M.M.

Study of the essential oil of cultivated and wild Libanotis  
intermedia in the Altai. Trudy TSSBS no.7:164-168 '64.  
(MIRA 17:11)

KABANOV, A.N.; KROPP, I.A.; KOROTAYEVA, N.A.

Basic principles of general anesthesia in prolonged intrathoracic operations in tuberculosis of the lungs and pleura. Probl. tub. 41 no.6;24-30 '63. (MIRA 17:9)

1. Iz legochnokhirurgicheskogo otdeleniya Novosibirskogo nauchno-issledovatel'skogo instituta tuberkuleza (dir. - kand.med.nauk M.V.Svirezhev).

KLEAPOVSKAYA, V.I., operatsionnaya sestra; KOROTAYEVA, O.D., operatsionnaya  
sestra; TSURYUPA, L.F., operatsionnaya sestra

Work of the surgical nurse in sounding the heart and pulmonary  
vessels. Med. sestra 22.no.1:56-57 Ja '63. (MIRA 16:7)

1. Iz legochnogo khirurgicheskogo otdeleniya Instituta eksperimental'noj  
biologii i meditsiny Sibirskogo otdeleniya AN SSSR.  
(CARDIAC CATHETERIZATION) (ANGIOGRAPHY)

VORONOV, N.A.; GINZBURG, Yu.N.; TOVAROV, V.V.; TKACH, M.T.; Prinimali  
uchastiye: OSKALENKO, G.N.; KOROTAYEVA, V.P.; POD'YACHEVA, I.B.;  
NIKANOROVA, N.A.

The problem of raising the quality of cylindrical grinding  
bodies. Trudy Giprotsement no.24:119-144 '62. (MIRA 16:4)  
(Milling machinery)

KOROTCHAEV, D.T.

We shall carry out the obligation we have assumed!

Trans.stroi. 14 no.12:7-9 D '64.

(MIRA 19:1)

1. Nachal'nik upravleniya stroitel'stva Abakanstroyput'.

KOROTCHAYEV, D.I.; ALEXSEYEV, Ye.P., inzh.

Rock fill construction for the Novokuznetsk-Abakan and Abakan  
Tayshet lines. Transp. stroi. 14 no.9:7-10 S '64  
(MIRA 18:1)

1. Nachal'nik upravleniya Abakanstroyput' (for Korotchayev).

KOROTCHAYEV, D.I.; KLICHKO, V.I.; KOPYLOV, S.Ye.; MASHCHENKO, P.F.; GIESSHMAN, A.Ye., doktor tekhn. nauk, prof.; ZELIKOVICH, I.I., kand.ekonom. nauk; SHRAYBER, S.B., inzh.

Organizing the direction of the construction of the Shush'-Kiya-Shaltyr' line according to a graphic work schedule. Transp. stroi. 15 no.7:3-4 Jl '65. (MIRA 18:7)

1. Nachal'nik upravleniya Abakanstroyput' (for Korotchayev). 2. Glavnnyy inzh. stroitel'stva Abakanstroyput' (for Klichko). 3. Glavnnyy tekhnolog stroitel'stva Abakanstroyput' (for Kopylov). 4. Nachal'nik stroitel'nomontazhnogo poyezda No.268 (for ~~Mashchenko~~).

AUTHOR: Korotchenko, A.I., Engineer. 336

TITLE: New compressors produced by the Nevsk Engineering Works (NMZ) imeni Lenin for blast furnaces. (Novyy kompressornyy agregat nevskogo mashinostroitel'nogo zavoda imeni Lenina dlya domennykh pechey.)

PERIODICAL: "Energomashinostroenie", (Power Machinery Construction), 1957, No. 4, p. 23, (U.S.S.R.)

ABSTRACT: This compressor is intended for ensuring a higher blast pressure for blast furnaces of 1 380 and 1 500 m<sup>3</sup> volume. The unit consists of a K-4250-41-1 compressor and a driving steam turbine AKV-18-1 operating with steam of 29-35 atm., 400-435 °C; the cooling water temperature being 25 °C and the speed varying between 2 500 and 3 400 r.p.m. Maximum turbine power is 18 000 kW. In addition to being more economical, the new turbine is shorter by 1 m and 44 tons lighter than earlier ones, the specific weight being 2.44 kg/kW. The content of non-ferrous metals was reduced from 175 to 53 kg and of alloy steel from 8.5 to 5.5 tons.

KOROTCHENKO, F. Ye.

RODIONOVA, G.S.; KOROTCHENKO, F.Ye.

Continuous production of pure cultures for yeast propagation.  
Gidroliz. i lesokhim. prom. 8 no.5:9-11 '55. (MLRA 9:1)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut gidrolyznoy  
i sul'fitno-spirtovoy promyshlennosti.  
(Yeast)

NEMTSOVA, N.P.; KOROTCHENKO, F.Ye.

Use of the FEK-M electric photocolorimeter in the determining of  
phosphorus. Gidroliz. i lesokhim.prom. 15 no.1:17-18 '62.  
(MIRA 18:3)

1. Gosudarstvennyy nauchno-issledovatel'skiy institut gidroliznicy  
i sul'fitno-spirtovoy promyshlennosti.

AUTHORS: Oreshko, V. F., Korotchenko, K. A. SOV/ 156-58-3-13/52

TITLE: On the Effect of the Gamma Radiation of Co-60 on the Starch  
(O deystvii gamma-izlucheniya Co-60 na krakhmal)

PERIODICAL: Nauchnyye doklady vysshey shkoly, Khimiya i khimicheskaya tekhnologiya, 1958, Nr 3, pp. 455 - 459 (USSR)

ABSTRACT: Earlier papers have considered only the effect of small doses of gamma radiation on aqueous solutions of low starch concentration. Stronger radiation doses may cause disturbing side reactions under these conditions, especially by their action on water. For this reason the authors used concentrated gel of potato starch (13,5% dry substance) for their experiments; the radiation doses amounted to 2,28, 4,80 and  $6,04 \cdot 10^6$  r.u. The visual observation of the structural change of the gel, the volume measurement of the synergetic liquid and its content of dry substance served for the classification of the effect of gamma radiation. The extent of the chemical transformations was determined by qualitative reactions with iodine and Fehling's solution, as well as by quantitative determination of the reduced substances and spectrophotometric

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On the Effect of the Gamma Radiation of Co-60 on  
the Starch

SOV/156-58-3-13/52

investigation (spectrophotometer SF -4).  
Table 1 illustrates: the radiation dosage, external changes,  
the qualitative reaction of the gel and of the syneretic  
liquid, the amount of the syneretic liquid and its content  
of dry substance. Table 2 shows the content of reducible  
substances in mg glucose in the gel, in the syneretic liquid  
and the total sample, as well as the ratio of the concentrations.  
Diagrams 1 and 2 represent the absorption spectrum of the  
iodine complexes in the gel and the liquid. There are 2  
figures, 2 tables, and 16 references, 8 of which are Soviet.

ASSOCIATION: Kafedra neorganicheskoy khimii Moskovskogo  
tekhnologicheskogo instituta pishchevoy promyshlennosti  
(Chair of Inorganic Chemistry of the Moscow Technological  
Institute for the Food Industry)

SUBMITTED: February 6, 1958  
Card 2/2

ORESHKO, V.F.; KOROTCHENKO, K.A.

Mechanism of the action of gamma rays on starch gels. Izv.  
vys.ucheb.zav.; pishch.tekh. no.4:51-54 '59.  
(MIRA 13:2)

1. Moskovskiy tekhnologicheskiy institut pishchevoy promy-  
shlennosti. Kafedra neorganicheskoy khimii.  
(Starch) (Gamma rays)

ORESHKO, V.F.; KOROTCHENKO, K.A.

Mechanism of the action of ionizing radiation on native starch.  
Izv.vys.ucheb.zav.; pishch.tekh. no.5:29-34 '59. (MIRA 13:4)

1. Moskovskiy tekhnologicheskiy institut pishchevoy promy-  
shlennosti, kafedra neorganicheskoy khimii.  
(Starch) (Gamma rays)

S/020/60/133/005/018/019  
B016/B060

AUTHORS: Oreshko, V. F., Korotchenko, K. A.

TITLE: Study of Destruction of Starch Dependent on the Dose of  
Ionizing Gamma Radiation /9

PERIODICAL: Doklady Akademii nauk SSSR, 1960, Vol. 133, No. 5,  
pp. 1219-1222

TEXT: The destruction of native potato starch was studied under the action of  $\gamma$ -radiation of  $\text{Co}^{60}$ . The integral dose was from 1 million to 18.2 million r at a dose rate of 2000r/min. Moistness, pH of the aqueous extracts, content of reducing substances and glutinization temperature ( $T_k$ ) of the control- and test samples were measured by the Gorbachev method. Table 1 shows the results. As found in previous studies (Refs. 4,5) the pH of the aqueous starch extracts drops regularly with an increase in the integral dose. The destructive processes are revealed in a continuous increase in reducing substances, formation of gaseous products of starch decomposition, as well as in a drop of  $T_k$ . The

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Card 1/4

Study of Destruction of Starch Dependent on  
the Dose of Ionizing Gamma Radiation

S/020/60/133/005/018/019  
B016/B060

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average molecular weight  $\bar{M}$  and the degree  $\bar{P}$  of polymerization, calculated by the method of end groups, drop rapidly with an increase in the dose absorbed (Table 1 and Fig. 1). The content of reducing substances rises while  $T_k$  drops proportionally to the dose absorbed. These latter variations are caused by the cleavage of starch molecules on the bonds 1 - 4, 1 - 6 (Ref. 5). The yield in gaseous radiolytic products rises rapidly with increasing dose. This yield is apparently related to the separation of functional groups of glucopyranose rings. For finite chains the authors suggest an equally probable splitting of bonds and, in the case of lacking cross-linking of the molecular fragments, they suggest the general formula (1) for the destruction rate. If the polymerization degree is sufficiently high ( $P > 100$ , Ref. 7), and the splitting of bonds along the entire chain is equally probable,  $\alpha$  (the reaction order) then vanishes. Equation (2) holds here, from which the authors derive functions (5) and (6). The linear character of (5) and (6) is preserved in all of the doses investigated. This proves the correctness of the premises used in deriving the equation. Since no monosaccharides are detected by chromatographic analysis, the authors conclude that the starch molecule

Card 2/4

Study of Destruction of Starch Dependent on  
the Dose of Ionizing Gamma Radiation

S/020/60/133/005/018/019  
B016/B060

is not destroyed by successive cleavage of individual rings at the end of the chain but probably in any point of it. The observed drop of  $T_k$  is, like the viscosity decrease in the solutions of irradiated starches, related to the destructive depolymerization of starch molecules and the formation of dextrin-like substances. The authors calculated the average energy  $\epsilon_d$  required for the splitting of a bond from the inclination angle of the straight line in Fig. 2. This value ( $\epsilon_d = 28.0$  ev) is the threefold of the one given by A. Charlesby (Ref. 8) for cellulose. The authors define it as more reliable as it approaches the values of other polymers. Equations (7) - (10) are derived for the gas formation. Fig. 3 shows the spectrophotometric curves of starch and glucose both nonirradiated and irradiated with different doses. There are 3 figures, 1 table, and 12 references: 8 Soviet and 1 German.

ASSOCIATION: Moskovskiy tekhnologicheskiy institut pishchevoy promyshlennosti (Moscow Technological Institute of the Food Industry)

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Card 3/4

ORESHKO, V.F.; KOROTCHENKO, K.A.

Studying the effect of gamma rays on the destruction of starch  
molecules. Izv. vys. ucheb. zav.: pishch.tekh. no.2:17-21  
'60. (MIRA 14:7)

1. Moskovskiy tekhnologicheskiy institut pishchevoy  
promyshlennosti, kafedra neorganicheskoy khimii.  
(Starch)  
(Gamma rays--Industrial application)

ORESHKO, V.F., doktor tekhn.nauk, prof.; KOROTCHENKO, K.A., nauchnyy  
sotrudnik

Destruction of starch under the effect of ionizing gamma  
radiation. Trudy VNIZ no.38:37-50 '60. (MIRA 15:12)

1. Moskovskiy tekhnologicheskiy institut pishchevoy promyshlennosti.  
(Starch) (Gamma rays)

ORESHKO, V.F. [deceased]; KOROTCHENKO, K.A.

Effect of the degree of hydration of starch on the structure  
of gels. Izv.vys.ucheb.zav.; pishch.tekh. no.4:25-28 '62.  
(MIRA 15:11)  
1. Moskovskiy tekhnologicheskiy institut pishchevoy promyshlennosti,  
kafedra neorganicheskoy khimii.  
(Starch) (Gelation)

KOROTCHENKO, K.A.

Effect of the  $\text{CO}^{60}$  gamma radiation on the structural and mechanical characteristics of starch gels with different moisture content. Izv.vys.ucheb.zav.; pishch.tekh. no.4: 29-31 '62. (MIRA 15:11)

1. Moskovskiy tekhnologicheskiy institut pishchevoy promyshlennosti.  
kafedra neorganicheskoy khimii.  
(Starch—Testing) (Cobalt--Isotopes)

KOROTCHENKO, K.A.

Radiation method for obtaining soluble starch and dextrin. Izv.  
vys. ucheb. zav.; pishch. tekhn. no.2:74-76 '63. (MIRA 16:5)  
1. Moskovskiy tekhnologicheskiy institut pishchevoy promyshlennosti,  
kafedra neorganicheskoy khimii.  
(Starch) (Dextrin)

ORESHKO, V. F.[deceased]; GORIN, L. F.; KOROTCHENKO, K. A.; MASLOVA,  
G. M.; CHERNENKO, L. Ye.; SHAKHOVA, N. G.

Radiation chemistry of starch. Izv. vys. ucheb. zav.; pishch.  
tekhn. no.5:32-37 '62. (MIRA 15:10)

1. Moskovskiy tekhnologicheskiy institut pishchevoy promysh-  
lennosti, kafedra neorganicheskoy khimii.

(Starch) (Radiochemistry)

KOROTCHENKO, K.A.; PUTILOVA, I.N.

Studying the properties of starch irradiated by gamma rays. Ferm.  
i spirt.prom. 30 no.8:16-19 '64. (MIRA 18:1)

1. Moskovskiy tekhnologicheskiy institut pishchevoy promyshlennosti.

PUTILOVA, I.N.; KOROTCHENKO, K.A.; GORIN, L.F.

Effect of irradiation with  $\text{Co}^{60}$  gamma rays on the inhibiting effect of potato starch in the corrosion of lead in soft water. Zhur. prikl. khim. 37 no.12:2612-2615 D '64.

1. Moskovskiy tekhnologicheskiy institut pishchevoy promyshlennosti. (MIRA 18:3)

L 66018957 DATE 06  
ACC NR: AP6018952

(A)

SOURCE CODE: UR/0322/66/000/001/0048/0052

AUTHOR: Putilova, I. N.; Traubenberg, S. Ye.; Korotchenko, K. A.

ORG: Moscow Technological Institute of the Food Industry (Moskovskiy tekhnologicheskiy institut pishchevoy promyshlennosti)

TITLE: Properties of potato starch irradiated in gas media

SOURCE: IVUZ. Pishchevaya tekhnologiya, no. 1, 1966, 48-52

TOPIC TAGS: gamma radiation, radiation chemistry, food technology, gas, polysaccharide gamma irradiation, argon, carbon dioxide, oxygen, high vacuum, oxidation, CARBOHYDRATE

ABSTRACT: The effect of starch irradiation in various gas media on starch properties was investigated because the effect different types of media have on the radiolysis of polysaccharides has as yet been inadequately studied and the role of oxygen in radiolysis still questionable. The irradiation was carried out in argon, carbon dioxide, air, oxygen, and in a vacuum with  $^{60}\text{Co}$  as the gamma-ray radiation source. The experimental results show that 1) starch undergoes less decomposition and oxidation during its irradiation in argon or carbon dioxide than during irradiation in the other media, 2) the maximum yield of radiolysis products is obtained from the irradiation of starch in an atmosphere of oxygen, 3) during irradiation in a high vacuum of

Card 1/2

UDC. 664.22.058.9

ACC NR: AF6014719

(A)

SOURCE CODE: UR/0322/65/000/006/0024/0028

AUTHOR: Traubenberg, S. Ye; Korotchenko, K. A.; Putilova, I. N.

ORG: Moscow Technological Institute of the Food Industry (Moskovskiy tekhnologicheskiy institut pishchevoy promyshlennosti)

TITLE: Effect of high doses of cobalt-60 gamma rays on potato starch

SOURCE: IVUZ. Pishchevaya tekhnologiya, no. 6, 1965, 24-28

TOPIC TAGS: ~~infrared~~ radiation effect, radiation chemistry, food technology, processed plant product, carbohydrate, depolymerization

ABSTRACT: In continuation of earlier work with lower doses of 1500 r/min, a total of 18-94 millirad was applied to commercial starch containing 16% moisture, placed in closed ampoules in the presence of air at room temperature. Changes were recorded spectrophotometrically in the ultraviolet and visible ranges. Further determinations included color, amount of reducing substances (iodometry), mean molecular weight (according to end groups), solubility (by refractometer), pH, organic acids, formaldehyde (spectrum), glucose and maltose (paper chromatography). Results showed an increase of destructive processes with increased gamma doses resulting in a weakened structure of the grain which becomes brittle, increase in water-soluble substances (655 fold at 94 millirad) due probably to rupture of the 1-4 and 1-6 glucoside bonds,

Card 1/2

UDC: 664.22.058.43

Card 2/2

BOGDANOV, G.A.; KOROTCHENKO, N.A.

Calcium peroxytungstates. Part 1. Zhur.ob.khim. 31 no.9:2812-2817  
S '61. (MIR 14:9)

1. Moskovskiy tekstil'nyy institut.  
(Calcium tungstate)

BOGDANOV, G.A.; KOROTCHENKO, N.A.

Calcium peroxytungstates. Part 2. Zhur.ob.khim. 31 no.9:2817-2823  
S '61. (MIRA 14:9)

1. Moskovskiy tekstil'nyy institut.  
(Calcium tungstate)

b

BOGDANOV, G.A.; KOROTCHENKO, N.A. (Moskva)

Catalytic decomposition of  $H_2O_2$  under the effect of  $Ni(OH)_2$   
Zhur. fiz. khim. 35 no.7:1616-1621 J1 '61. (MIRA 14:7)  
(Hydrogen peroxide) (Nickel hydroxide)

KOROTCHENKO, N.F., inzh.

Technology of double nickel plating. Mashinostroenie no.1:82-84  
(MIRA 13:4)  
Ja-F '65.

KOROTCHENKO, N.I.  
KRYUCHKOVA, A.P.; KOROTCHENKO, N.I.

Choosing productive yeasts for yeast sections of sulfite alcohol  
plants. Gidroliz. i lesokhim. prom. 10 no.7:24-27 '57.  
(MIRA 10:12)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut godroliznoy i  
sul'fitnospritovoy promyshlennosti.  
(Yeast) (Alcohol)

KRYUCHKOVA, A.P.; KOROTCHENKO, N.I.

Preparing baker's yeast from nonedible raw materials. Gidroliz.  
i lesokhim.prom. 12 no.1:8-10 '59. (MIRA 12:2)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut gidroliznoy  
i sul'fitno-spirtovoy promyshlennosti.  
(Yeast)

KRYUCHKOVA, A.P.; KOROTCHENKO, N.I.; RODIONOVA, G.S.

Vitamin-forming properties of various strains of fodder yeasts.  
Gidroliz.i lesokhim.prom. 12 no.8:7-10 '59. (MIRA 13:4)

1. Nauchno-issledovatel'skiy institut gidrolyznoy sul'fitno-  
spirtovoy promyshlennosti.  
(Yeast) (Vitamins)

KOROTCHENKO, N.I.

Biotin determination by using the yeast Candida tropicalis. Biokhimia  
24 no.5:872-875 S-0 '59.  
(MIRA 13:2)

1. Gosudarstvennyy nauchno-issledovatel'skiy institut gidrolyznyy  
i sul'fitno-spiritevoy promyshlennosti, Moskovskoye otdeleniye.  
(BIOTIN chem.)  
(CANDIDA)

KOROTENKO, N.I.; BALABANOVA, A.A.

Vitamin composition of fodder yeasts. Gidroliz. i lesokhim.prom. 14  
(MIRA 14:5)  
no.4:3-4 '61.

1. Nauchno-issledovatel'skiy institut gidroliznoy i sul'fitno-  
spirtovoy promyshlennosti.  
(Yeast) (Vitamins)

KOROTCHENKO, N.I.

Enrichment of fodder yeasts with vitamin B<sub>12</sub>. Gidroliz. i lesokhim.  
(MIRA 16:2)  
prom. 16 no.1:11-12 '63.

1. Moskovskoye otdeleniye Gosudarstvennogo nauchno-issledovatel'skogo  
instituta godroliznoy i sul'firnospirtovoy promyshlennosti.  
(Yeast as feeding stuff) (Cyanocabalamin)

KOROTCHENKO, N.I., kand. vet. nauk; STAROSTINA, Z.I., nzuhn. red.;  
MILIKHOVA, I.F., tekhn. red.

[Vitamin content of feed yeasts and methods for its  
determination] Soderzhanie i metody opredeleniya vita-  
minov v kormovykh drozhzhakh. Moskva, TSentr. in-t tekhn.  
informatsii i ekon. issl. po lesnoi, bumazhnoi i derevo-  
obrabatyvaiushchel promyshl., 1963. 39 p.

(MIRA 16:9)

(Yeast--Analysis) (Vitamins)

RABINOVICH, Avram Nakhimovich; KOROTCHENKO, V., red.; VOLKOVA, N.,  
tekhn.red.

[Automation of technological processes in the manufacture of  
machinery] Avtomatizatsiya tekhnologicheskikh protsessov v  
mashinostroenii. Izd.2., ispr. i dop. Kiev, Gos.izd-vo tekhn.  
lit-ry USSR, 1959. 635 p. (MIRA 13:3)  
(Automation) (Machinery industry)

L 35878-66

EWT(m) IJP(c)

ACC NR: AP6010770

SOURCE CODE: UR/0146/66/009/001/0017/0022

11

B

AUTHOR: Kozyrev, B. P.; Korotchenko, V. A.

ORG: Leningrad Electrotechnical Institute im. V. I. Lenin (Leningradskiy  
elektrotekhnicheskiy institut)TITLE: Differential photo-electro-optical refractometer as a gas analyzer

SOURCE: IVUZ. Priborostroyeniye, v. 9, no. 1, 1966, 17-22

TOPIC TAGS: refractometer, light refraction, gas analyzer

ABSTRACT: The development of a differential refractometer for gas analyzing purposes is reported. It is based on the well-known photo-electro-optical amplifier arrangement (R. V. Jones, J. Sc. Instr., v. 38, no. 2, 1961) in which the luminous flux-converting galvanometer is replaced by a refracting gas-sample cell. Silver-sulfide photocells, a small incandescent light-source lamp, and a 25-mm diameter 32-mm long sample cell are used. The new instrument has a very high sensitivity (about  $3 \times 10^{-8}$ ), short response time (2.5 sec), can analyze any gas, may yield information in the form of electric signals, and can deliver automatic records.

Orig. art. has: 3 figures, 1 formula, and 1 table.

SUB CODE: 20, 13 / SUBM DATE: 24 Oct 64 / ORIG REF: 006 / OTH REF: 003

Card 1/1 ell

UDC: 535.321

KOZYREV, B.P.; KOROTCHENKO, V.A.

Refractometric transducer-analyzer for CO<sub>2</sub> testing of gases  
in furnaces. Zav. lab. 31 no. 12•1524-1526 '65 (MIRA 19•1)

1. Leningradskiy elektrotekhnicheskiy institut imeni Ul'yanova  
(Lenina).

KHIYAN, Yaroslav [Chijan, J.T.]; MALENKO, S.A.[translator]; KOROTCHENKO,  
V.P., red.; STARODUB, T.A., tekhn. red.

[Electronic flashtube; manufacture and use by amateurs]Elektron-  
naia lampa-vspyshka; izgotovlenie i primenenie v liubitel'skikh  
usloviakh. Kiev, Gostekhizdat USSR, 1961. 150 p.  
(MIRA 15:8)

(Photography, Flashlight—Equipment and supplies)

KOROTCHENKO V.V.

SHKOL'NIK, L.M., inzhener; KOROTCHENKO, V.V., inzhener

Experience in making balance arm fulcrums for locomotive suspension  
spring using band steel. Tekh.zhel.dor.7 no.7:27-28 J1'48.  
(Locomotives) (MIRA 8:11)

KOROTCHENKO, V.V., inzh., otv. za vypusk; VOROTNIKOVA, L.F., tekhn.  
red.

[Technical instructions for checking the driving gears of electric  
trains and diesel locomotives] Tekhnicheskie ukazaniia po proverke  
zubchatykh koles tiagovykh peredach elektropodvizhnogo sostava i  
teplovozov. Moskva, Vses.izdatel'sko-poligr. ob"edinenie M-va  
putei soobshcheniya, 1961. 91 p. (MIRA 15:2)

1. Russia (1923- U.S.S.R.) Glavnoye upravleniye po remontu pod-  
vizhnogo sostava i proizvodstvu zapasnykh chastei.  
(Electric locomotives—Inspection)  
(Diesel locomotives—Inspection)

KOROTCHENKOV, V.I.

Substituting antifriction bearings for bronze bushes in the  
drive sprockets of excavators and loading cranes. Torf.  
(MIRA 14:1)  
prom. 37 no. 3:32 '60.

1. Varegovskoye torfopredpriyatiye.  
(Peat machinery)

NIKITIN, Yu.P.; YESIN, O.A.; KHLYNOV, V.V.; SOTNIKOV, A.I.; KOROTCHENKOV, A.A.

Electrochemical investigation of the burning out of carbon. Izv.  
vys. ucheb. zav.; chern. met. 5 no.5:16-24 '62. (MIRA 15:6)

1. Ural'skiy politekhnicheskiy institut.  
(Liquid metals)  
(Electrochemical analysis)

SOV-120-58-3-31/33

AUTHORS: Korotenko, B. Ye., Gridneva, I. A., Mamontov, V. F.  
TITLE: Application of Inductive "Contacts" in the Measurement of  
Mechanical Quantities (Primeneniye induktsionnogo tokos"yema  
pri izmerenii mekhanicheskikh velichin)  
PERIODICAL: Pribory i Tekhnika Eksperimenta, 1958, Nr 3, pp 107-109  
(USSR)

ABSTRACT: Normally, slip-rings are used in the measurement of mechanical quantities on rotating parts of machines. In order to remove errors associated with this technique, the authors have developed a method whereby the energy from the rotating specimen is transmitted to the fixed measuring device through an inductive coupling. The system is based on a transformer element, the primary of which is attached to the moving element and rotates with it, and the secondary is stationary and attached to the measuring apparatus. The mechanical details are shown in Figs. 2 and 3 and the electronic circuit in Fig. 1. The fixed secondary is connected to a two-stage amplifier. The coil parameters are such that the transformer characteristic is flat in

Card 1/2

KOROTENKO, B.Ye.; GRIDNEVA, I.A.

Measuring the thickness of the lubricant layer in bearings.  
(MIRA 14:5)  
Avt. prom. 27 no. 5:27-29 My '61.

1. Khar'kovskiy avtomobil'no-dorozhnyy institut (KhADI).  
(Automobiles—Lubrication)

KOROTENKO, G.P.; KRAVETS, K.N.

Ascariasis and trichocapilliasis in patients with pathology  
of the gastrointestinal tract. Med. paraz.i paraz.bol. 34  
no.4:417-419 Jl-Ag '65. (MIRA 18:12)

1. Kafedra obshchey terapii Ivano-Frankovskogo meditsinskogo  
instituta. Submitted July, 1964.

KOROTENKO, M.L.  
L'VOV, A.A., kandidat tekhnicheskikh nauk, dotsent; KOROTENKO, M.L.,  
kandidat tekhnicheskikh nauk, dotsent.

Determining the dynamic characteristics of two-axle flat cars and two-  
axle tank cars under various factory spring rates and arches. Trudy  
DIIIT no.25:196-218 '56. (MIRA 10:1)  
(Railroads--Cars) (Tank cars)

KOROTENKO, M.L., kand. tekhn. nauk

Effect of the stiffness of the superstructure, spring  
sag and certain tolerances in repairing on the weight on  
the rails of the locomotive. Trudy DIIT no.24:72-105 '54.  
(MIRA 16:11)

KOROTENKO, N.I., inzh.

Pneumatic floating loader and unloader. Biul. tekhn.-ekon. inform.  
Tekh. upr. Min. mor. flota 7 no.12:46-51 '62. (MIRA 16:11)

1. Leningradskiy institut po proyektirovaniyu morskikh portov i  
sudoremontnykh predpriyatiy.

BABENKO, A.P.; KOROTENKO, N.P.

From the work practices of efficiency promoters. Spirt.prom. 29 no.1:  
27-28 '63. (MIRA 16:2)  
(Distilleries) (Efficiency, Industrial)

KARPUKHIN, Petr Prokhorovich; KOROTENKO, Tamila Aleksandrovna,  
inzh.; CHEKALIN, M.A., doktor khim. nauk, retsenzent;  
KOROLEV, A.I., kand. khim. nauk, retsenzent; TSYBA, L.A.,  
inzh., red.izd-va; TERESHCHENKO, V.V., tekhn. red.

[Active dyes] Aktivnye krasiteli. Kiev, Gostekhizdat  
USSR, 1963. 132 p. (MIRA 17:1)

1. Chlen-korrespondent AN Ukr.SSR (for Karpukhin).

KOROTENKO, T.A.

BOSOVITSKAYA, S.A.; KOROTENKO, T.A.

Polyethyleneoxide as a binding agent used in the production of  
pills. Apt,dele 6 no.4:13-16 Jl-Ag '57. (MLRA 10:9)

1. Iz Khar'kovskogo nauchno-issledovatel'skogo khimiko-farmatsevticheskogo instituta  
(PILLS) (ETHYLENE OXIDE)

NOSOVITSKAYA, S.A., MUSIYKO, B.P., KOROTENKO, T.A., ROMANOV, B.A.

Physical strength of tablets; on the article on "Tablets" in the  
Ninth Pharmacopoeia. Apt.delo 7 no.4:63-65 J1-Ag'58 (MIRA 11:8)

1. Iz Khar'kovskogo nauchno-issledovatel'skogo khimiko-farmaceuticheskogo  
instituta Ministerstva zdravookhraneniya SSSR.  
(TABLETS (MEDICINE))

NOSOVITSKAYA, S.A., KOROTENKO, T.A.

Study of the process used in pressing tablets. Apt.delo 7  
no.6:48-52 N-D '58 (MIRA 11:12)

1. Iz Khar'kovskogo nauchno-issledovatel'skogo khimiko-farmatservi-  
cheskogo instituta Ministerstva zdravookhraneniya SSSR.  
(TABLETS (MEDICINE))

KARPUKHIN, P.P.; KOROTENKO, T.A.

Active dyes based on epichlorohydrin. Izv.vys.uch.zav.;  
khim.i khim.tekh. 5 no.4:636-641 '62. (MIRA 15:12)

1. Khar'kovskiy politekhnicheskiy institut imeni Lenina,  
kafedra tekhnologii krasiteley i promezhutochnykh produktow.  
(Dyes and dyeing) (Epichlorohydrin)

MANIKHAS, M.G.; GIL'DINSON, E.B.; KOROTETSKAYA, G.I.

Temporary loss of working capacity in skin diseases. Vest. derm.  
i ven. 38 no.11:58-60 N '64. (MIRA 18:4)

l. Rybinskiy gorodskoy kozhno-venerologicheskiy dispanser (glavnyy  
vrach M.G.Manikhas).

АРХИВ ГИДРАГИ, 55-57

ANDON'YEV, Sergey Mikhaylovich, kandidat tekhnicheskikh nauk; RAYKOVSKIY,  
Yuriy Borisovich, inzhener; FILIP'YEV, Oleg Vladimirovich,  
inzhener; SHINDAREVA, Klara Yakovlevna, inzhener; KOROTETSKIY, D.N.,  
otvetstvennyy redaktor; LIBERMAN, S.S., redaktor izdatel'stva;  
SINYAVSKAYA, Ye.K., redaktor izdatel'stva; ANDREYEV, S.P.,  
tekhnicheskiy redaktor

[Evaporative cooling of open-hearth furnaces; fundamentals of  
cooling and principles of design] Isparitel'noe okhlazhdenie  
martenovskikh pechей; osnovnye polozheniya sistemy okhlazhdeniya i  
printsyipy ee proektirovaniia. Pod obshchei red. S.M.Andon'yeva.  
Khar'kov, Gos. nauchno-tekhn. izd-vo lit-ry po chernoi i tsvetnoi  
metallurgii, 1957. -356 p. (MLRA 10:6)  
(Open-hearth process) (Evaporating appliances)

KOROTEYEV, A.; RUBIN, A., flag-shturman; ZINOV'YEV, V., komandir  
podrazdeleniya

Forecast... for yesterday. Grashd. av. 20 no. 3:10-11 Mr '63.  
(MIRA 16:4)

1. Zamestitel' nachal'nika Uzbekskogo upravleniya Grashdanskogo  
vozdushnogo flota (for Koroteyev). 2. Uzbekskoye upravleniye  
Grashdanskogo vozдушного flota (for Rubin).

(Meteorology in aeronautics)

KOROTYEYEV, Aleksey Mitrofanovich; RAZINKOV, P., red.; YEVSTIGNEYEVA, V.,  
tekhn.red.

[The organization of work in an assembling brigade] Organizatsiia raboty v brigade montazhnikov. Moskva, Mosk.rabochii,  
1959. 53 p.  
(MIRA 13:7)

1. Brigadir montazhnikov Upravleniya No.3 tresta "Moszhilstroy"  
(for Koroteev).  
(Apartment houses) (Precast concrete construction)

KOROTEEV, A.N., kapitan 1-go ranga

Practical training of cadets on ships. Mor. sbor. 46 no.1:37-39  
Ja '63. (MIRA 16:1)  
(Training ships)

KONOENKOV, A. P.

Kratkoe rukovodstvo po issucheniiu rudnichnykh vod [Short handbook on the study of mine water]. Moscow, Glavspetsstsvetret, 1952. 63 p.

SO: Monthly List of Russian Acquisitions, Vol. 7, No 3, June 1952.

KOROTKEV, A.P., inzh

Transportation of bricks in containers. Zhel.-dor.transp. 41  
no.9:75-76 S '59. (MIRA 13:2)  
(Bricks transportation)

AL'TOVSKIY, M.Ye.; CHAPOVSKIY, Ye.G.; BABUSHKIN, V.D.; BINDEMAN,  
N.N.; LAPTEV, F.F.[deceased]; SOKOLOV, I.Yu.; CHALISHCHEV,  
A.M.[deceased]; FROKHOROV, S.P.; TOKAREV, A.N.; KOROTEEYEV,  
A.P.; AERAMOV, S.K.; KONOPLYANTSEV, A.A., red.; PRIKLONSKIY, V.A.,  
red. deceased; SPITSYN, N.I., red.; MARINOV, N.A., red.;  
KULICHIKHIN, N.I., red.; GARMONOV, I.V., red.; LYUBCHENKO, Ye.K.,  
red. izd-va; POTAPOV, V.S., red. izd-va; GUROVA, O.A., tekhn.  
red.

[Hydrogeologist's handbook] Spravochnik gidrogeologa. Pod ob-  
shchei red. M.E.Al'tovskogo. Moskva, ostsooltekhizdat, 1962.  
615 p.

(MIRA 15:7)

(Water, Underground)

KOROTEYEV, A.S.; YAS'KO, O.I.

Generalization of the characteristics, in dimensionless criteria,  
of blown electric arcs. Inzh.-fiz. zhur. 10 no.1:26-31 Ja '66.  
(MIRA 19:2)

1. Institut teplo- i massoobmena AN BSSR, Minsk. Submitted  
July 30, 1965.

KOROTEYEV, Dmitriy Vasil'yevich; NOVAK, Anatoliy Platonovich;  
TOROPOV, A.S., kand. tekhn. nauk, nauchn. red.;  
GORBACHEVA, O.S., red.

[Labor safety in preparatory operations] Bezopasnost' tru-  
da na rabotakh mulevogo tsikla. Moskva, Stroizdat, 1965.  
(MIRA 18:3)  
107 p.

KOROTEEV, I.M., kandidat tekhnicheskikh nauk, dotsent; LITVINOV, G.T.,  
kandidat tekhnicheskikh nauk, dotsent.

Kinematic analysis of automatic couplers in operation. Trudy DIRT  
no.25:219-233 '56. (MLRA 10:1)  
(Car couplings)

KOROTKEV, I. M.

LAZARYAN, V.A., professor, doktor tekhnicheskikh nauk; KOROTKEV, I.M.,  
kandidat tekhnicheskikh nauk; L'VOV, A.A., kandidat tekhnicheskikh  
nauk.

Improving the utilization of flat-car and gondola-car load  
capacity. Zhel. dor. transp. 38 no.11:67-69 N '56. (MLRA 9:12)

(Railroads--Cars)

KOROTEEYEV, I.M. [Korotieiev, I.M.], dotsent, kand.tekhn.nauk

Cars are rushing at full speed.... Znan.ta pratsia no.8:10-11  
Ag '62. (MIRA 15:12)  
(Railroads—Cars)

KOROLELEV, I.M., kand. tekhn. nauk

Improving the quality of production and action control of  
the safety lock of the lock retainer. Trudy DIIT no.24:  
155-165 '54. (MIRA 16:11)

OSADCHUK, G.I.; SLUSHAYENKO, A.M.; BELICHENKO, G.M., retsenzent;  
ZVORYKIN, M.L., retsenzent; KOROTEYEV, I.M., retsenzent;  
LIBERZON, M.I., retsenzent; KHARITONOV, A.A., retsenzent;  
GARSHIN, I.M., red.

[Refrigerating equipment of cars and air-conditioning] Kholo-  
dil'noe oborudovanie vagonov i konditsionirovaniye vozdukha.  
Moskva, Transzheldorizdat, 1963. 299 p. (MIRA 17:4)

OSADCHUK, G.I.; SLUSHAYENKO, A.M.; BELICHENKO, G.M., retsenzent;  
ZVORYKIN, M.L., retsenzent; KOROTEEV, I.M., retsenzent;  
LIBERZON, M.I., retsenzent; KHARITONOV, A.A., retsenzent;  
GARSHIN, I.M., red.; BOBROVA, Ye.N., tekhn. red.

[Refrigerator car equipment and air conditioning] Kholodil'-  
noe oborudovanie vagonov i konditsionirovaniye vozdukha. Mo-  
skva, Transzheldorizdat, 1963. 299 p. (MIRA 17:2)

ACC NR: AP6035831

SOURCE CODE: UR/0413/66/000/020/0037/0037

INVENTOR: Nifant'yev, E. Ye.; Koroteyev, M. P.

ORG: none

TITLE: Preparation of alkylphosphonic acid dichlorides, Class 12, No. 187018 [announced by Chemistry Department, Moscow State University im. M. V. Lomonosov (Khimicheskiy fakul'tet Moskovskogo gosudarstvennogo universiteta)]

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 20, 1966, 37

TOPIC TAGS: alkylphosphinyl dichloride, phosphorus ~~chloride~~<sup>compounds</sup>, sodium alkylphosphite, phosphonic acid

ABSTRACT: To simplify the method for the preparation of alkylphosphinyl dichlorides with the use of  $\text{PCl}_3$ , sodium alkyl phosphites are treated with  $\text{PCl}_3$ .

[WA-50; CBE No. 14]  
[PS]

SUB CODE: 07/ SUBM DATE: 05Aug65

Card 1/1

UDC: 547.241-312'113.07

1. KOROLEYEV, N.
2. USSR (600)
4. Radio Operators
7. Expert amateur radio operator, Radio, No. 2, 1953.

9. Monthly List of Russian Accessions, Library of Congress, May 1953. Unclassified.

KOROTEYEV, N.

Beyond the line of eternal snow. Radio no. 8:4 Ag '56. (MIRA 9:10)  
(Radio relay stations)

DENISENKO<sup>V.</sup>, KOROTYEYEV, N.

Shooting

Masters of accurate fire. Mol. kolkh. no. 7, 1952

Monthly List of Russian Accessions, Library of Congress. November 1952. UNCLASSIFIED

KOROTENKOV, N.

Announcer of the jet age aviation; on K.E. Tsiolkovskii's 95th  
birthday. Kryl.red. 3 no.9:7-8 S '52. (MIRA 8:8)  
(Tsiolkovskii, Konstantin Eduardovich, 1857- )

KOROTHEV, N. (g. Sykryvkar, Komi ASSR)

Propaganda section develops its work. Kryl.rod. 3 no.11:6 N '52.  
(Military education) (MIRA 8:8)

KOROTKEV, N.

Diamond ring. IUn. nat. no. 5:13-15 My '63. (MIRA 16:7)

(Vilyuy Valley—Diamond mines and mining)

GORLOV, O.; BORISOV, V.; KOROTEYEV, N.I., red.; SAVCHENKO, Ye.V.,  
tekhn. red.

[Animals in outer space] Zhivotnye v kosmose. Moskva, Izd-  
vo "Znanie," 1960. 93 p. (MIRA 15:3)  
(Space sciences) (Animals—Habits and behavior of)

GORLOV, O.; BORISOV, V.; KOROTEEV, N.I., red.; ATROSHCHENKO, L.Ye.,  
tekhn.red.

[Animals in space] Zhivotnye v kosmose. Moskva, Izd-vo "Znanie,"  
1960. 47 p. (Vsesoiuznoe obshchestvo po rasprostraneniu politi-  
cheskikh i nauchnykh znanii. Ser.7, Biblioteka sel'skogo lektora,  
no.19). (MIRA 14:2)

(SPACE BIOLOGY)

SOLYANIK, Aleksey Nikolayevich, Geroy Sotsialisticheskogo Truda;  
KOROTEEV, N.I., red.; SAVCHENKO, Ye.V., tekhn.red.

[Under the Southern Cross] Pod sorvezdiem Iuzhnogo Kresta.  
Moskva, Izd-vo "Znanie," 1960. 75 p.

(MIRA 14:4)

1. Kapitan-direktor antarkticheskoy kitoboynoy flotilii  
"Sovetskaya Ukraina" (for Solyanik).  
(Antarctic regions--Whaling)

KOROTEYEV, Nik.

Diamonds of the country of long-lasting nights. Rabotnitsa  
no.1:6-7 Ja '63. (MIRA 16:3)  
(Mirnyy--Diamonds)

VOLKOV, Mikhail Aleksandrovich; KOROTEYEV, Tikhon Il'ich;  
TIKHONOV, B.S., red.

[Operating gas fired boiler installations] Ekspluatatsiya  
kotel'nykh ustanovok na gazoobraznom toplive. Moskva,  
Stroizdat, 1965. 171 p. (MIRA 18:8)

KOROTKEV, V.

In cooperative societies of Czechoslovakia. Prom.koop. no.7:48-54  
Jl'55. (MIRA 8:11)  
(Czechoslovakia--Cooperative societies)